Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/20/2020 10:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124178	-1	2.34	124283	2.38
Blue	F	SSC	125000	123990	-1	1.84	124736	1.86
Blue	E	FITC	15892	15537	-3	2.80	339	20.91
Blue	D	PE	29999	29570	-2	1.96	647	14.63
Blue	B	PerCP-Cy5-5	43732	43927	0	3.64	1181	20.40
Blue	A	PE-Cy7	30845	31199	1	6.11	593	41.69
Red	C	APC	46112	45246	-2	2.40	1600	11.88
Red	A	APC-Cy7	30458	29702	-3	2.31	786	11.54
Violet	B	V450	7918	7542	-5	4.40	422	12.80
Violet	A	V500	32171	30583	-5	4.24	711	10.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17384	12.45	625	4	N/A	N/A	Pass
Blue	F	SSC	56445	1.29	565	6	N/A	N/A	Pass
Blue	E	FITC	62	65.51	545	2	0.0180	125	Pass
Blue	D	PE	134	49.42	551	3	0.1642	267	Pass
Blue	B	PerCP-Cy5-5	214	51.09	660	4	0.0091	80	Pass
Blue	A	PE-Cy7	108	104.77	703	5	0.0105	18	Pass
Red	C	APC	381	24.71	583	-1	0.0255	145	Pass
Red	A	APC-Cy7	173	28.24	555	-1	0.0061	1165	Pass
Violet	B	V450	64	59.75	461	3	0.0613	2452	Pass
Violet	A	V500	106	33.39	477	3	0.0242	776	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.87	-32.41	0.96
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	16.32	13.60 - 20.40	N/A	N/A	29.91	30.28	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10764

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments